

AMENDMENTS TO THE CLAIMS:

The following listing of claims replaces all prior versions, and all prior listings, of claims in the application.

Listing of Claims

Claims 1.-8. (Cancelled).

9. (Currently Amended) A method of bending a laminated material according to claim 4 27, wherein the bending of said core material and said second surface plate is performed by moving a roller from the one end of the second surface plate toward the other end thereof, and at the same time, moving said roller toward said first surface plate.

10. (Currently Amended) A method of bending a laminated material according to claim 9 30, wherein ~~the fixing of~~ the one end of said first surface plate is fixed to said at least one first base during the bending of said first surface plate ~~is performed~~ by pressing said laminated material onto said at least one first base by said roller.

11. (Currently Amended) A method of bending a laminated material comprising:

while ~~fixing~~ one end of a first surface plate of a laminated material having a first surface plate and a second surface plate respectively ~~fixed the~~ adhered to both

sides of a core material is fixed on a base, moving the other end of said first surface plate and bending it into an arc-shape, thereby separating said first surface plate at said other end from said core material and said second surface plate;

after moving the other end of said first surface plate and bending it into an arc-shape, applying an adhesive to either one of the contact surfaces between said first surface plate and said core material at the other end of the first surface plate; and

while ~~fixing~~ the one end of the core material and a second surface plate adhered to said core material is adhered to the one end of said first surface plate, moving and bending the other end of said core material and said second surface plate along said first surface plate being bent, and adhering said core material to said first surface plate.

12. (Currently Amended) A method of bending a laminated material comprising:

while ~~fixing~~ one end of a first surface plate of a laminated material having a first surface plate and a second surface plate respectively ~~fixed to~~ adhered to both sides of a core material is fixed on a base, moving the other end of said first surface plate and bending it into an arc-shape, thereby separating said first surface plate at said other end from said core material and said second surface plate; and

while ~~fixing~~ the one end of the core material and a second surface plate adhered to said core material is adhered to the one end of said first surface plate, moving and bending the other end of said core material and said second surface

plate along said first surface plate being bent, and adhering said core material to said first surface plate.

13. (Currently Amended) A method of bending a laminated material comprising:

while ~~fixing~~ one end of a first surface plate of a laminated material having a first surface plate and a second surface plate respectively ~~fixed~~~~the~~ adhered to both sides of a core material is fixed on a base, moving the other end of said first surface plate and bending it into an arc-shape, thereby separating said first surface plate at said other end from said core material and said second surface plate; and

while ~~fixing~~ the one end of the core material and a second surface plate adhered to said core material is adhered to the one end of said first surface plate, moving and bending the other end of said core material and said second surface plate along said first surface plate being bent, crushing the first~~[[ - ]]~~surface~~[[ - ]]~~plate side portion of said core material in the direction of the bend, and adhering said core material to said first surface plate.

14. (Currently Amended) A method of bending a laminated material comprising:

while ~~fixing~~ one end of a first surface plate of a laminated material having a first surface plate and a second surface plate respectively ~~fixed~~~~the~~ adhered to both sides of a core material is fixed on a base, the core material including a plurality of cells, moving the other end of said first surface plate and bending it into an arc-

shape, thereby separating said first surface plate at said other end from said core material and said second surface plate; and

while ~~fixing~~ the one end of the core material and a second surface plate adhered to said core material is adhered to the one end of said first surface plate, moving and bending the other end of said core material and said second surface plate along said first surface plate being bent, crushing the first~~[-]~~surface~~[-]~~plate side portion of said core material and a foam member filling the plurality of cells of said core material in the direction of the bend, and adhering said core material to said first surface plate.

15. (Withdrawn) A laminated material comprising:

a core material, and two surface plates bonded to both outside surfaces thereof; wherein

said core material includes a plate positioned substantially orthogonal to said surface plates and bonding said two surface plates together;

at least a portion of said laminated material has an arc-shaped curve with one surface positioned inward; and

said core material at said arc-shaped area has the inward portion crushed in the direction of the arc.

16. (Withdrawn) A laminated material according to claim 15, wherein:

a foam material is filled to the plurality of cells of said core material; and

the foam material filled in the cells positioned in the first-surface-plate side of

the arc-shaped area is crushed.

17. (Withdrawn) A laminated material comprising:  
a core material, and two surface plates bonded to both outside surfaces thereof; wherein  
substantially the whole surface of one surface of said core material is adhered to one of said surface plates;  
one end of the other surface of said core material is adhered to one end of the other of said surface plate; and  
the other end of said other surface of said core material is not adhered to the other end of said other surface plate.

18. (Withdrawn) A laminated material according to claim 17, wherein the end portion of said other end of said other surface plate is positioned closer to said one end than the end portion of said other end of said core material.

19. (Withdrawn) A laminated material according to claim 17, wherein said core material includes a plate positioned substantially orthogonal to said surface plates and bonding said two surface plates together, with cells positioned parallel to said plate; and  
said cells are filled with foam material.

20. (Withdrawn) A laminated material according to claim 17, wherein a face

material is adhered to the surface of one of said surface plates.

21. (Withdrawn) A bending device of a laminated material comprising:  
a substantially horizontal first base for mounting a laminated material;  
a first suction pad mounted on the upper surface of said first base;  
a second base for mounting a laminated material together with said first base  
equipped with an arc-shaped portion, wherein the arc-shaped portion faces upward  
when said second base is rotated while said laminated material is mounted thereto;  
a second suction pad mounted on said second base to the position where  
said laminated material is to be mounted; and  
a roller capable of moving toward the second base and also capable of  
moving in the direction of rotation of said second base.

22. (Withdrawn) A bending device of a laminated material according to  
claim 21, wherein said second base is equipped with a third suction pad for sucking  
the lower surface of a substantially horizontal laminated material when said second  
base is rotated.

23. (Withdrawn) A bending device of a laminated material according to  
claim 21, wherein a third base is further equipped on the other side of said second  
base centering said first base;  
said third base is equipped with a suction pad positioned on the upper surface  
thereof;

said third base is capable of rotating upward; and  
a cutting position is set between said third base and said second base, with a cutting device positioned above said cutting area.

24. (Withdrawn) A bending device of a laminated material according to claim 22, wherein said second base is capable of moving relatively against said first base and said third base.

25. (Withdrawn) A bending device of a laminated material according to claim 24, wherein said relative movement of said second base is in the horizontal direction.

26. (Withdrawn) A bending device of a laminated material according to claim 24, wherein said relative movement of said second base is in the vertical direction.

27. (New) A method of bending a laminated material comprising:  
mounting a laminated material having a first surface plate and a second surface plate respectively adhered to both sides of a core material to at least one first base positioned along the horizontal direction;  
thereafter, fixing one end of said laminated material to said at least one first base;  
while said one end of said laminated material is fixed on said at least one first

base, moving and bending the other end of said first surface plate toward the direction separating from said core material, thereby separating said first surface plate at said other end from said core material and said second surface plate;

applying an adhesive by spraying to either one of the contact surfaces between said first surface plate and said core material at the other end of the first surface plate; and

moving and bending said other end of said core material and said second surface plate along said first surface plate being bent, and adhering the other end of said core material to said first surface plate,

wherein the bending of said first surface plate is performed by sucking the other end of the first surface plate by an arc-shaped second base positioned at the other end of the first surface plate, and, after fixing said other end of the first surface plate to the second base, rotating said second base on the other end of the first surface plate so that the other end of said first surface plate is moved toward the direction separating from said core material.

28. (New) A method of bending a laminated material according to claim 27, wherein, in said laminated material, adhesive is provided on the whole surface of the second surface plate contacting the core material, and adhesive is provided on the surface of the one end of the first surface plate contacting the core material and not on other parts of the surface of the first surface plate contacting the core material.

29. (New) A method of bending a laminated material according to claim 28,



wherein said other parts of the surface of the first surface plate contacting the core material, for which adhesive is not provided, includes an area of the surface of the first surface plate which is bent when performing said moving and bending the other end of the first surface plate.

30. (New) A method of bending a laminated material comprising:

while one end of a laminated material, having a first surface plate and a second surface plate respectively adhered to both sides of a core material, is fixed on at least one first base, moving and bending the other end of said first surface plate toward the direction separating from said core material, thereby separating said first surface plate at said other end from said core material and said second surface plate;

applying an adhesive by spraying to either one of the contact surfaces between said first surface plate and said core material at the other end of the first surface plate; and

moving and bending said other end of said core material and said second surface plate along said first surface plate being bent, and adhering the other end of said core material to said first plate,

wherein the bending of said first surface plate is performed by sucking the other end of the first surface plate by a second base positioned at the other end of the first surface plate, and moving said second base on the other end of the first surface plate so that the other end of said first surface plate is moved toward the direction separating from said core material, and

wherein the bending of said core material and said second surface plate is performed by moving a roller from the one end of the second surface plate toward the other end thereof, and, at the same time, moving said roller toward said first surface plate.

31. (New) A method of bending a laminated material according to claim 30, further comprising, prior to said moving and bending the other end of said first surface plate, mounting said laminated material to said at least one first base, positioned along the horizontal direction, and thereafter fixing said one end of said laminated material to said at least one first base.